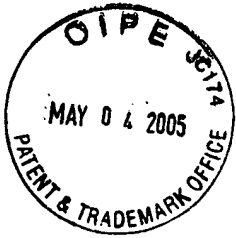


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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:

Kiyohiro KAWASAKI

Patent No.: 6,843,904 B1

Issue Date: January 18, 2005

Title: INSPECTION AND REPAIR OF ACTIVE TYPE SUBSTRATE

REQUEST FOR CERTIFICATE OF CORRECTION  
OF USPTO ERRORS UNDER RULE 322

ATTN: Certificate of Correction Branch  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

It is respectfully requested that a Certificate of Correction be issued in order to correct the errors made by the USPTO, as specified in the attached copy of the Certificate of Correction form (PTO-1050) which has been completed according to the Notice in 862 O.G. 2.

Respectfully submitted,

STEPTOE & JOHNSON LLP

A handwritten signature in dark ink, appearing to read "Roger W. Parkhurst".

Roger W. Parkhurst  
Registration No. 25,177

May 4, 2005

Date

RWP/mhs

Attorney Docket No.: OGOH:083

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Washington, DC 20036-1795

Telephone: 202-429-3000

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : **6,843,904 B1**  
DATED : **January 18, 2005**  
INVENTOR(S) : **Kiyohiro KAWASAKI**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1, line 25 (column 25, about printed line 14),  
change "plates." to --plate.--.

Claim 2, lines 12-13 (column 25, about printed lines 26-  
26), change "substrates." to --substrate.--.

Claim 4, line 11 (column 25, about printed line 44),  
change "solutions." to --solution.--.

MAILING ADDRESS OF SENDER:

**OGOHO:083/RWP**  
**STEPTOE & JOHNSON LLP**  
**1330 Connecticut Avenue, NW**

PATENT NO. **6,843,904 B1**

No. of additional copies



Burden Hour Statement: This form is voluntary and takes approximately 10 minutes to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



**SUPPLEMENTAL AMENDMENT UNDER 37 CFR §1.116**  
**filed September 24, 2004**

Serial No.: 09/868,577

**IN THE CLAIMS:**

1.-2. (Cancelled)

*Patented  
claim 1 = 3.*

(Currently Amended) An in-substrate selective electrochemical treatment system for finding and repairing pinholes in an active substrate comprising:

holding means for holding an insulating substrate;

an electrode for connection at a periphery of an insulating substrate being held by the holding means, to a conductive pattern located on such an insulating substrate, said electrode being covered with an insulating layer;

chemical solution confining means for confining a chemical solution to only a specified region on an insulating substrate, the specified region being smaller than an insulating substrate or slightly larger than an image displaying section on an active substrate formed on an insulating substrate;

a reversed polarity electrode plate for applying an electric charge to the chemical solution, the electric charge having polarity opposite to an electric charge of said electrode;

SUPPLEMENTAL AMENDMENT UNDER 37 CFR §1.116  
filed September 24, 2004

Serial No.: 09/868,577

chemical solution supplying and discharging means for supplying and discharging the chemical solution to and from an insulating substrate; and

means for detecting at least one pinhole in said ~~insulating~~ insulating layer comprising means for measuring the value of a current flowing between said electrode and said reversed polarity electrode ~~plate~~.

Patented  
claim 2 = 4. (Previously Presented) An in-substrate selective electrochemical treatment system according to Claim 3,

wherein the reversed polarity electrode plate comprises a double-purpose reversed polarity electrode plate having a specified size and shape smaller than an insulating substrate slightly larger than the image displaying section of an active substrate formed on an insulating substrate, the double-purpose reversed polarity electrode plate also comprising the chemical solution confining means for confining the chemical solution in a gap obtained by locating the double-purpose reversed polarity electrode plate close to an insulating ~~substrate~~.

**SUPPLEMENTAL AMENDMENT UNDER 37 CFR §1.116**  
**filed September 24, 2004**

Serial No.: 09/868,577

*Patented  
claim 4 = 5*

5. (Previously Presented) An in-substrate selective electrochemical treatment system according to Claim 3,

wherein the reversed polarity electrode plate is a double-purpose reversed polarity electrode plate, which is smaller than an insulating substrate, or slightly larger than the image displaying section of an active substrate formed on an insulating substrate, and which also comprises the chemical solution confining means further comprising a porous soft material plate having a surface facing an insulating substrate and impregnated with the chemical solution.

6. (Previously Presented) An in-substrate selective electrochemical treatment system according to Claim 3,

wherein the reversed polarity electrode plate has a specified size and shape smaller than an insulating substrate or slightly larger than the image displaying section of an active substrate formed on an insulating substrate; and

wherein the chemical solution confining means comprises a frame-shaped container chemical solution confining means which has, at upper and lower ends thereof, an opening slightly larger than